

CLAIMS

1. An instrument for inducing a cytokine, which comprises hemolytic streptococcus and/or a hemolytic
5 streptococcus-origin component and a water-insoluble carrier.
2. The instrument for inducing a cytokine according to claim 1, which further comprises a container which comprises the hemolytic streptococcus and/or the hemolytic
10 streptococcus-origin component and the water-insoluble carrier.
3. The instrument for inducing a cytokine according to claim 1 or 2, wherein the water-insoluble carrier has an effect
15 for enhancing induction of a cytokine.
4. The instrument for inducing a cytokine according to any one of claims 1 to 3, wherein the hemolytic streptococcus and/or the hemolytic streptococcus-origin component have been
20 fixed on the water-insoluble carrier.
5. The instrument for inducing a cytokine according to any one of claims 1 to 4, wherein the water-insoluble carrier comprises a polymer material.

6. The instrument for inducing a cytokine according to
claim 5, wherein the polymer material is a porous polymer
material.

5 7. The instrument for inducing a cytokine according to
claim 5 or 6, wherein the polymer material comprises at least
one kind selected from the group consisting of a
polystyrene-based polymer material, a polyacrylic ester-based
polymer material, a polypropylene-based polymer material and
10 a polyvinyl chloride-based polymer material.

8. The instrument for inducing a cytokine according to
any one of claims 1 to 4, wherein the water-insoluble carrier
comprises a carbon material.

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9. The instrument for inducing a cytokine according to
claim 8, wherein the carbon material is an active carbon.

10. The instrument for inducing a cytokine according to
20 claim 9, wherein the active carbon has a diameter of more than
100 μm and not more than 10000 μm .

11. The instrument for inducing a cytokine according to
claim 9 or 10, wherein the active carbon is an active carbon
25 obtained from at least one kind of raw material selected from

the group consisting of a petroleum pitch, a phenolic resin, a coal and a coconut husk.

12. The instrument for inducing a cytokine according to
5 any one of claims 1 to 11, which is used for the induction of
a cytokine production in a cell which can produce a cytokine.

13. The instrument for inducing a cytokine according to
claim 12, wherein the cell which can produce a cytokine is a
10 cell derived from blood or a blood constituent.

14. A method for inducing a cytokine, which comprises
inducing a cytokine using the instrument for inducing a cytokine
according to any one of claims 1 to 13.